

Get Environmentality!

The State of California and the Walt Disney Company are once again teaming up to offer California fifth-grade classes an opportunity to receive special incentives and awards for thinking and acting environmentally! **Jiminy Cricket's Environmentality Challenge** is a fun, challenging way to inspire fifth graders to have a more direct impact on their environment.

The program is composed of two parts. **The Pledge**, easy and interactive, encourages students to take actions that improve the environment, such as conserving water or energy, carpooling, or working harder to reduce waste or to recycle. Free pledge sheets and specially designed Environmentality gifts for all participating students are provided free to teachers who enroll in the program.

The Project Competition is the hands-on class project developed and created by the students that addresses an environmental concern that the class shares. Sample projects include creating a school recycling or composting program, holding an environmental summit or fair, or evaluating and providing recommendations for a school energy or water conservation program. Projects are judged regionally, with the state broken down into ten different regions. First, second, and third place finishers in each region receive special awards. First place finishers from each region compete for the grand prize, which is a free trip to Disneyland for all students and their teacher!

Last year marked the kickoff for this exciting project. More than 347 fifth grade classes, approximately 15,000 students, participated in the Environmentality Challenge. The grand prize winning class, Redway Elementary in Humboldt County, educated their school about important waste management principles by conducting a school play. Student drawings on waste management themes were published in a school coloring book. The coloring books were then sold at a fundraiser to purchase recycling bins for two state parks.

An Environmentality introductory packet will be sent to all public schools this fall. Registration information will be enclosed along with curriculum resource information that can be ordered from California state agencies. For more information about this program, call the Environmentality Hotline at 1-800-290-0299 or the CIWMB Schools Section at (916) 255-2385.

Reusable School News (the News) is published by the California Integrated Waste Management Board (CIWMB), the agency responsible for overseeing the development and implementation of a statewide integrated waste management program. CIWMB provides technical assistance and resource information to school districts in developing waste prevention and recycling programs. The News highlights case studies showcasing the economic and environmental benefits of establishing a district-wide waste reduction program. It is being sent to local governments, school districts, schools and other interested parties. For more information, call the Schools Section at (916) 255-2385.

Let Us Help You With Your Trash!!

The California Integrated Waste Management Board (CIWMB) is eager to help school districts develop waste diversion (recycling, composting, etc.) programs and to facilitate waste management instruction in the classroom. Please call the CIWMB if you need any assistance or have any questions at (916) 255- 2385

In addition to personalized assistance, we also offer the following services:

Resource Materials:

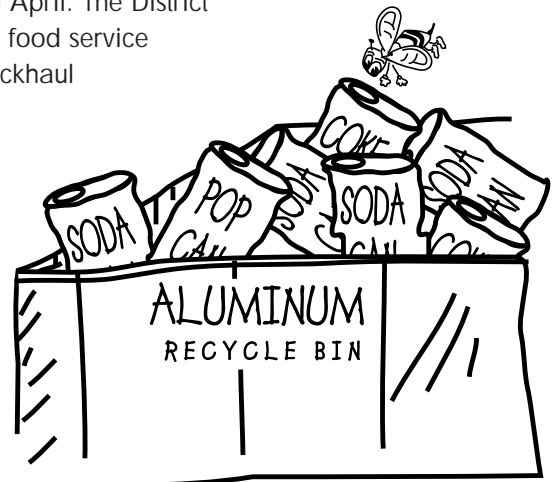
1. *Going Beyond Recycling, Buy Recycled—A Guide for School Districts*. Provides information to school districts on buying recycled products, waste prevention, cooperative purchasing, and other resource contacts.
2. *Seeing Green Through Waste Prevention—A Guide for School Districts*. A comprehensive guide for school districts to develop programs to prevent waste.
3. *A District-Wide Approach to Recycling—A Guide for School Districts*. A comprehensive guide for school districts to develop and implement district-wide recycling programs.
4. *Closing the Loop—Integrated Waste Management Activities for School and Home*. An action-oriented K-12 curriculum focusing on a wide variety of waste management issues including recycling, waste prevention, landfills, etc. The activities are hands on, interdisciplinary, and thematic. Closing the Loop (CTL) is available at no charge to teachers who participate in Board-sponsored teacher-training workshops. See newsletter insert for more information.
5. *Closing the Loop—Spanish Version*. The Spanish version of CTL is now available. Again, the curriculum will be available at no charge to teachers participating in the teacher-training workshop.
6. *Closing the Loop Sampler*. A collection of four sample lessons from CTL. Available at no charge upon request.

7. *Compendium for Integrated Waste Management*. A compilation of results of a nationwide search and evaluation of the top curricula on integrated waste management.
8. *Reusable School News*. A semiannual newsletter which highlights outstanding school district programs, upcoming CTL training workshops, and useful resource information.

For Palo Alto, Recycling is Elementary!

The Palo Alto Unified School District (PAUSD), with assistance from the City of Palo Alto, launched a new and expanded district-wide recycling program for elementary schools during April's Earth Day Week. Although some schools have been recycling some materials for many years, this new program provides the district with the opportunity to recycle additional materials, reduce garbage costs, and model waste reduction behaviors to PAUSD students.

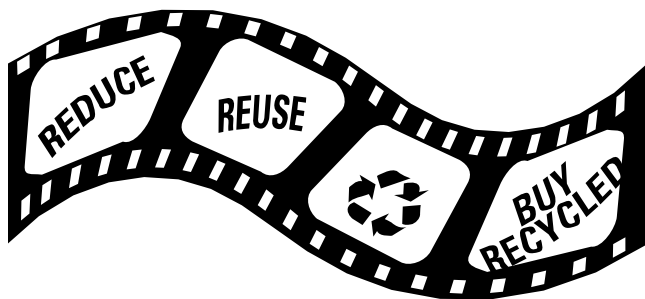
The recycling team consisted of parents volunteering as recycling coordinators, students acting as "Recycling Leaders," the PAUSD Business office, and City of Palo Alto Recycling Program staff. Parent volunteers donated their time to organize the logistics of their school's program, kickoff events and a student "Recycling Team" which helps monitor lunch area recycling. PAUSD Business Office staff wrote a revised school recycling policy requiring each school to recycle aluminum cans, glass, white paper, and colored paper, and to increase the purchase of school supplies made with postconsumer content. This policy was approved by the school board in April. The District also began using a food service delivery truck to backhaul each school's cardboard to a central collection area, making it easier for schools to recycle this material. The city recycling staff coordinated the program by



providing educational materials and donating wheeled recycling carts to all schools for white paper, colored paper, glass and plastic, tin and aluminum, and newspaper recycling. Reused fruit and fructose containers were donated by the Lipton Tea Company in Santa Cruz for use as classroom and lunch area recycling containers.

Future plans include expanding the program into middle, high, and private schools, implementing waste prevention purchasing practices, and charging middle- and high-school students less for hot drinks if they bring their own reusable cups. Other plans include implementing worm composting programs, purchasing bathroom hand dryers, and reusing pizza boxes from the cafeteria.

For more information, contact Julie Weiss, City of Palo Alto, (415) 496-5911.



Resources From San Francisco

The San Francisco Recycling Program has released a new video designed to inspire middle and high school students to take action on natural resource issues such as waste reduction, reuse, recycling and closing the recycling loop. *Tina's Journal*, which portrays an energetic teenager discovering how we can benefit from recycling and reducing waste, focuses on how students can make a difference.

This 17-minute video is available free of charge to San Francisco middle and high schools. Educators outside of San Francisco may purchase the video for \$19.95 each.

Also available from the San Francisco Recycling Program is a new curriculum, *Resource Cycles*, aimed at middle and high school teachers.

For more information, contact: The San Francisco Recycling Program, (415) 554-3411

Recycle Used Oil and Collect Money, Too!!

CIWMB's Used Oil Program, dedicated to encouraging recycling used lubricating oil, will pay school districts 16 cents for each gallon of used lubricating oil generated from equipment and vehicles it owns and operates! To qualify, a school district need only to register with CIWMB and ensure that the used oil is hauled to a certified recycling facility. Claims, including purchase information and hauler manifests, may be submitted up to three times per quarter.

For more information and registration forms, please contact CIWMB's Used Oil Recycling Program at 8800 Cal Center Drive, Sacramento, CA 95826 or call (916) 255-2891.

Recycle Rex RecyCool Club

Kids say recycling is cool; that it's the right thing to do. In fact, kids most often are the unofficial recycling coordinators where they live, learn, and play. To recognize this commitment, the California Department of Conservation has formed the Recycle Rex RecyCool Club led by everybody's favorite spokedinosaur: Recycle Rex.

The Recycle Rex RecyCool Club is open to all young recyclers. All it takes to be initiated is to certify that: "I pledge to recycle where I live, learn, and play." Members get a club pack with the new Recycle Rex Color Full Activity Book and premiums, all featuring Recycle Rex and packed with tips on recycling and buying recycled products. Members will also receive regular copies of the club newsletter with Recycle Rex updates and even more fun recycling activities, surprises, and information.

Contact: Recycle Rex RecyCool Club, California Department of Conservation, 801 K St, MS 22-57, Sacramento, CA 95814 or 1-800-RECYCLE.

Solano County Awards Grants to Schools

1995 marks the inauguration of the Solano County Local Task Force (LTF) for Integrated Waste Management School Grant Program. Eligible recipients included schools and selected educational programs within the county. The LTF funded proposals for various educational projects including campus recycling and composting facilities; vocational training in composting, recycling and reuse; expansion of an existing composting program; a waste audit and campus recycling project; and field trips to recycling facilities. Grants up to an amount of \$500.00 were awarded to each of the following grantees in Solano County:

Toni Schmit of Pace II, Vallejo; Penny Shields of Highlands Elementary School, Vallejo; Lois Butler of Dan Mini School, Vallejo; Susan Munson of the Irene Larsen Center of the Solano County Office of Education, Vacaville; Sarah Nordquist of Rio Vista High School, Rio Vista; Selvin Nygard of Riverview Elementary School, Rio Vista; Paul D. Knaus of Solano

Development Services, Inc., Vallejo; Keitha Bryan and Bruce Rasmussen of Laurel Creek Elementary School, Fairfield; Ronald Kane of Sheldon School, Fairfield; Kelley Crisman and Alyson Brauning of Willis Jepson Middle School, Vacaville; John Savage of Scandia Elementary School, Travis AFB, Fairfield; Julia Kimsey of Cooper School, Vacaville.

The Local Task Force wholeheartedly commends these educators for their enthusiasm and commitment to promote waste reduction and recycling.

For more information, contact Alison Sand, Solano County (707) 421-6765.

To determine if your county offers grant programs, contact your county public works department and ask for the recycling coordinator.



California Integrated Waste Management Board
School Section
8800 Cal Center Drive
Sacramento CA 95826



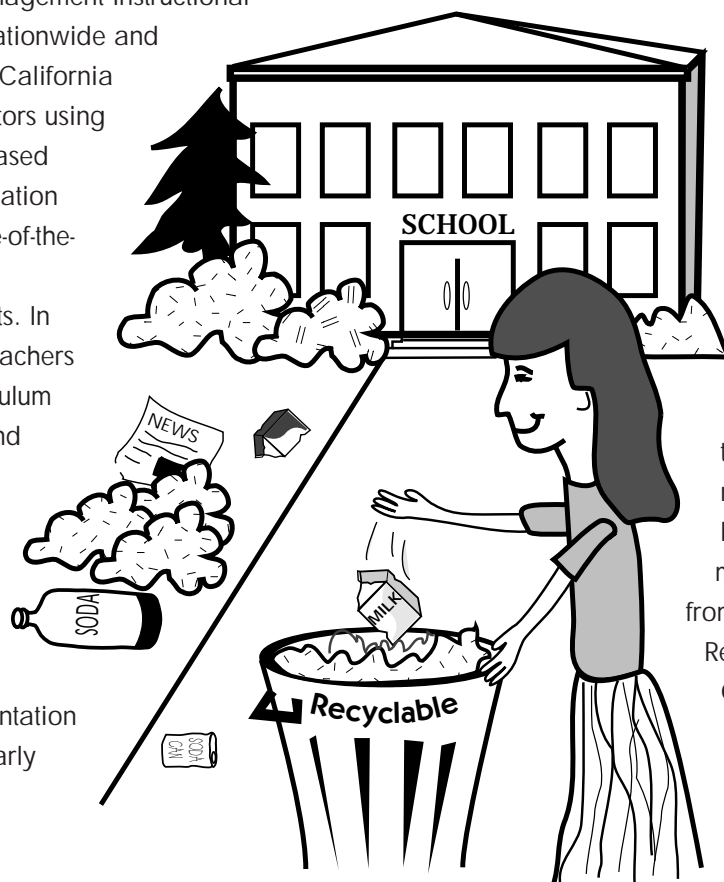
Closing The Loop

AN INTEGRATED APPROACH TO TEACHING WASTE MANAGEMENT

What is Closing the Loop?

The California version of *Closing the Loop—Integrated Waste Management Activities for School and Home* is adapted from the original published by Chadbourne and Chadbourne, Inc. in Chagrin Falls, Ohio. The California Integrated Waste Management Board (CIWMB) and the California Department of Education have collaborated in updating technical concepts and pedagogical approaches from the original text, revised and improved graphics and format, and have converted Ohio-specific data to reflect information consistent with California.

Closing the Loop was selected from a number of quality integrated waste management instructional materials collected nationwide and evaluated by 24 top California environmental educators using an assessment tool based upon California education frameworks and state-of-the-art integrated waste management concepts. In addition, eight K-8 teachers field tested this curriculum in their classrooms and offered suggestions for revision and improvement. As a result of this field testing, improvements have been made in lesson presentation and content, particularly with grades K-3.



What is in Closing the Loop?

Closing the Loop is a compilation of over 40 activities directed at helping students discover and nurture an environmental ethic and stewardship for natural resources. Activities focus on solid waste and environmental awareness topics and are adjustable across subjects and K-12 grade levels. Activities are grouped under three thematic headings:

**Everything ends up somewhere;
We have options and we make choices; and
Everything is connected.**

The activities are engaging, hands-on, and problem centered. Students are encouraged to explore their

natural environment, identify waste management issues, and engage in personal and community action projects.

There is more!

Closing the Loop is a resource tool for educators interested in weaving waste management concepts into their curriculum. In addition to the comprehensive, interdisciplinary lessons, a teacher background on integrated waste management has been adapted from the Association of Vermont Recyclers' Teacher Resource Guide. This background supplement provides teachers with a comprehensive understanding of the principles of integrated waste management and can

work as a foundation from which instruction can begin. Information in the supplement includes recycling and manufacturing processes, statistical data on global waste management activities, and historical perspectives of solid waste management. Also included is "Principles and Conditions of Learning," which lays out the fundamental principles of respecting each student's potential and uniqueness, and nurturing each student's desire to stretch themselves to learn and apply that knowledge.

To get a copy of Closing the Loop!

You can receive a copy of *Closing the Loop* at no cost by attending one of our training workshops. If you would like to hold a *Closing the Loop* workshop at no cost or be included on our mailing list for notification of upcoming workshops, please contact the CIWMB Schools Section for more information. If you are unable to attend a workshop, *Closing the Loop* can be purchased for \$17.50. Please send checks along with your name and address to California Integrated Waste Management Board, School Section, 8800 Cal Center Drive, Sacramento CA, 95826. (916) 255-2385

CTL Workshop Calendar

Trainings At Conferences:

CIWMB will be presenting CTL teacher training workshops at the following conferences:

October 13 & 14, 1995 - Mathematics, Science, and Technology: Partners for the Future II, Fresno. Contact Michelle Garoogian, Conference Secretary, (209) 265-3089. CIWMB contact: Lorna Dobrovolny (916) 255-2589.

November 18, 1995 - Scope, Sequence and Coordination Project Workshop, Anaheim, San Rafael, Fresno. CIWMB contact: Cara Morgan (916) 255-2364.

January 12, 13 & 14, 1996 - California Kindergarten

Conference, Burlingame, San Francisco. Contact California Kindergarten Association, 1710 S. Amphlett Blvd., Suite 117, San Mateo, CA 94402. CIWMB contact: Cara Morgan (916) 255-2364.

March 9, 1996 - Santa Clara Valley TEE Fair, Santa Clara. CIWMB contact: Cara Morgan (916) 255-2364.

Trainings for Districts:

We also provide teacher trainings for districts! For example:

Stanislaus County Office of Education and Environmental Resources in Modesto have arranged for CIWMB staff to conduct a 2-hour CTL training on November 9, 1995 for teachers in that area. For more information call (916) 255-2385.

Plans are in the making for possible CTL teacher trainings in Butte and Calaveras Counties and South Lake Tahoe. A school recycling how-to workshop is also in the works. If you are a teacher or administrator in any one of these areas and are interested in CTL, please call Lorna Dobrovolny, CIWMB regional representative, at (916) 255-2589.

If you are interested in participating in or holding CTL teacher training workshops, please call your CIWMB regional representative at (916) 255-2385.



FREE MATERIALS FOR SCHOOLS

NEED BINDERS?

BUCKETS?

ART OR SCIENCE

SUPPLIES?

FABRIC?

BUILDING SUPPLIES?

COMPUTERS?

PAPER?

PAINT?

Check out KidMAX!

KidMAX is a special part of the California Materials Exchange (CalMAX) catalog. KidMAX offers schools FREE or bargain-priced materials and FREE advertisements for materials wanted in the CalMAX bimonthly catalog. Teachers can obtain a variety of useful discards donated from all over California. Shop for over 700 items that could be yours for just a phone call!

CalMAX, the waste-not want ads, is a free service provided by the CIWMB. The fundamental purpose of CalMAX is to promote reuse opportunities for the business community. CalMAX offers an alternative to landfilling usable materials generated by businesses large and small. CalMAX makes the connection between industrial discards and materials needed by other businesses, nonprofit organizations and, best of all, schools. Materials available from businesses are listed in the bimonthly catalog. Also listed are schools' needs in a "Materials Wanted" section.

Some examples of successful exchanges:

- An Oakland high school uses donated designer fabric to make piecework vests for profit.
- A Santa Cruz junior college uses donated shipping barrels for recycling bins.
- Several preschools use cotton string from a local hospital for art projects.
- A neighborhood watch group gets paint for graffiti abatement.

Each year CalMAX honors participants in outstanding exchanges by awarding them the "Match of the Year." Last year, the folks involved in a KidMAX exchange received the award! The winners were spotlighted in the CalMAX catalog and presented, at a CIWMB meeting, with a custom-made, engraved decanter made from recycled glass.

The award-winning match occurred when

Vitex Packaging was seeking alternatives to landfilling end rolls of white paper used to make tea bags. They discovered CalMAX and placed an advertisement listing their paper in the "Materials Available" section. Lyn Shirvanian and her students at Marymount School in Santa Barbara discovered Vitex's advertisement and called the company. Now, in addition to supplying paper to Marymount, Vitex ships paper to over a dozen schools for just the cost of freight! The schools get a terrific source of paper, the landfills get a lot less paper, and Vitex gets both a tax deduction for their contribution to the schools and a reduced waste disposal bill. Everyone wins!

Each KidMAX advertisement placed in CalMAX is highlighted with a check mark to allow businesses to easily identify schools in need of materials.

Typical advertisements:

✓ PLAYGROUND EQUIPMENT

Wanted in Goleta, CA

School needs playground equipment. If you have clean, safe and reusable playground equipment, please contact us.

(805)XXX-XXX

OR . . .

✓ ROPE TAILING ENDS

Wanted in Sacramento, CA

Rope tailing ends of any length or diameter needed to be used in high school art classes. Any materials, cotton or nylon okay. will pick up if local.

(916)XXX-XXX

Through an online service, CalMAX is also connected to other national and community-based reuse programs. Call (916) 255-2369 or 1-800-CA-WASTE for your FREE catalog, to place your advertisement, or for more information. If you are planning an "Environmentality" project (see article), KidMAX may be an ideal source of materials.

To obtain your free copy of the *CALMAXSM* catalog, complete the information below, fold in thirds with this panel inside, and return. You will be put on the *CalMAX* mailing list.

Name: _____

School Address: _____

City: _____ State: _____ Zip Code: _____

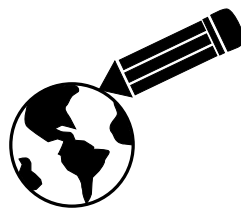
Phone Number: _____ Fax Number: _____

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CALMAXSM
California Integrated Waste Management Board
8800 Cal Center Drive
Sacramento CA 95826



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KidMAXTM
for California's Schools